

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/564,020A  
Source: IFWP  
Date Processed by STIC: 3/31/06

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 03/31/2006

PATENT APPLICATION: US/10/564,020A

TIME: 09:55:27

Input Set : A:\2312.001US1 Sequence Listing.txt

Output Set: N:\CRF4\03312006\J564020A.raw

```

4 <110> APPLICANT: Bozzoni, Irene
5      Denti, Michela Alessandra
6      Rosa, Alessandro
7      Universita degli Studi di Roma "La Sapienza"
9 <120> TITLE OF INVENTION: siRNA expression system
12 <130> FILE REFERENCE: 2312.001US1
14 <140> CURRENT APPLICATION NUMBER: US 10/564,020A
C--> 15 <141> CURRENT FILING DATE: 2006-01-09
17 <150> PRIOR APPLICATION NUMBER: PCT/IT04/000381
18 <151> PRIOR FILING DATE: 2004-07-09
20 <150> PRIOR APPLICATION NUMBER: IT RM2003A000335
21 <151> PRIOR FILING DATE: 2003-07-09
23 <160> NUMBER OF SEQ ID NOS: 29
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 11
29 <212> TYPE: RNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: A synthetic pre-siRNA 3' terminus
35 <400> SEQUENCE: 1
36 uuuaucucccu g                                     11
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 30
40 <212> TYPE: DNA
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: A synthetic linker oligonucleotide
46 <400> SEQUENCE: 2
47 gatctggtac cctcgaggct agcggtaccg                 30
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 30
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: A synthetic linker oligonucleotide
57 <400> SEQUENCE: 3
58 ctagcggtac cgctagcctc gagggtagca                 30
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 98
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:

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66 <223> OTHER INFORMATION: A synthetic oligonucleotide
68 <400> SEQUENCE: 4
69 gatctcatac agggcaattg gcagatcaag cgtttgta ggccttgatc tgccaattgc 60
70 cctttatccc ctgactttct ggagtttcaa aagtagac 98
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 98
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: A synthetic oligonucleotide
80 <400> SEQUENCE: 5
81 tcgagtctac ttttgaaact ccagaaagtc aggggataaa gggcaattgg cagatcaagc 60
82 gctacacaaa cgcttgatct gcccaattgcc ctgtatga 98
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 98
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: A synthetic oligonucleotide
92 <400> SEQUENCE: 6
93 gatctcatac agggcaattg gcagatcaag cgtttgta ggccttgatc tgccaattgc 60
94 cctttatccc ctgactttct ggagtttcaa aagtagac 98
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 98
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: A synthetic oligonucleotide
104 <400> SEQUENCE: 7
105 tcgagtctac ttttgaaact ccagaaagtc aggggataaa gggcaattgg cagatcaagc 60
106 gctacacaaa cgcttgatct gcccaattgcc ctgtatga 98
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 84
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: A synthetic oligonucleotide
116 <400> SEQUENCE: 8
117 gatctcgggc aattggcaga tcaagcggtt gtgtagcgct tgatctgcca attgccctta 60
118 ctttctggag tttcaaaagt agac 84
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 84
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: A synthetic oligonucleotide
128 <400> SEQUENCE: 9
129 ctgagtctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgctacacaa 60
130 acgcttgatc tgccaattgc ccga 84

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132 <210> SEQ ID NO: 10
133 <211> LENGTH: 113
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: A synthetic oligonucleotide
140 <400> SEQUENCE: 10
141 gatctcgggc aattggcaga tcaagcggtt gacttcgcat gaatgagttc attcatgaag 60
142 cgaaacgctt gatctgccaa ttgcccttac tttctggagt ttcaaaagta gag      113
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 113
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: A synthetic oligonucleotide
152 <400> SEQUENCE: 11
153 ctagtcttac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgtttcgctt 60
154 catgaatgaa ctcatctatg cgaagtcaaa cgcttgatct gccaatggcc cga      113
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 84
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: A synthetic oligonucleotide
164 <400> SEQUENCE: 12
165 gatctcgggc aattgcgaga tcaagcggtt gtgtagcgct tgatctcgca attgccctta 60
166 ctttctggag tttcaaaagt agac      84
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 84
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: A synthetic oligonucleotide
176 <400> SEQUENCE: 13
177 ctgagtctac ttttgaaact ccagaaagta agggcaattg cgagatcaag cgctacacaa 60
178 acgcttgatc tcgcaattgc ccga      84
180 <210> SEQ ID NO: 14
181 <211> LENGTH: 20
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: A synthetic probe
188 <400> SEQUENCE: 14
189 ggcaattggc agatcaagcg      20
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 20
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:

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197 <223> OTHER INFORMATION: A synthetic probe
199 <400> SEQUENCE: 15
200 ggcaattgcg agatcaagcg 20
202 <210> SEQ ID NO: 16
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: A synthetic probe
210 <400> SEQUENCE: 16
211 cgcttgatct gccaattgcc 20
213 <210> SEQ ID NO: 17
214 <211> LENGTH: 15
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: A synthetic box element
221 <400> SEQUENCE: 17
222 gtttcaaaag tagac 15
224 <210> SEQ ID NO: 18
225 <211> LENGTH: 30
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: A synthetic terminator element
232 <400> SEQUENCE: 18
233 cccctrcttt ctggagtttc aaaagtagac 30
235 <210> SEQ ID NO: 19
236 <211> LENGTH: 399
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: A synthetic oligonucleotide
243 <400> SEQUENCE: 19
244 ggatccggtg aggaccagct tctttgggag agaacagacg caggggaggc agggaaaaag 60
245 ggagaggcag acgtcacttc cccttggcgg ctctggcagc agattggtcg gttgagtggc 120
246 agaaaggcag acggggactg ggcaaggcac tgtcgggtgac atcacggaca gggcgacttc 180
247 tatgtagatg aggcagcgca gaggtctgtg cttcgccact tgctgcttca ccacgaagga 240
248 gttcccgtgc cctgggagcg gggttcaggac cgctgatcgg aagtgagaat cccagctgtg 300
249 tgtcagggct ggaaagggct cgggagtgcg cggggcaagt gaccgtgtgt gtaaagagtg 360
250 aggcgtatga ggctgtgtcg gggcagaggc ccaagatct 399
253 <210> SEQ ID NO: 20
254 <211> LENGTH: 108
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: A synthetic oligonucleotide
261 <400> SEQUENCE: 20
262 gatctcatag agggcaattg gcagatcaag cgttgtgaag ccacagatga acgcttgatc 60

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263 tgccaattgc ctttatccc ctgactttct ggagtttcaa aagtagac 108
265 <210> SEQ ID NO: 21
266 <211> LENGTH: 108
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: A synthetic oligonucleotide
273 <400> SEQUENCE: 21
274 ctgagtctac ttttgaaact ccagaaagtc aggggataaa gggcaattgg cagatcaagc 60
275 gttcatctgt ggcttcacaa cgcttgatct gccaatggcc ctgtatga 108
277 <210> SEQ ID NO: 22
278 <211> LENGTH: 84
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: A synthetic oligonucleotide
285 <400> SEQUENCE: 22
286 gatctcgggc aattggcaga tcaagcgttt gtgtagcgct tgatctgcca attgccctta 60
287 ctttctggag tttcaaaagt agac 84
289 <210> SEQ ID NO: 23
290 <211> LENGTH: 84
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: A synthetic oligonucleotide
297 <400> SEQUENCE: 23
298 ctgagtctac ttttgaaact ccagaaagta agggcaattg gcagatcaag cgctacacaa 60
299 acgcttgatc tgccaattgc ccga 84
301 <210> SEQ ID NO: 24
302 <211> LENGTH: 36
303 <212> TYPE: DNA
304 <213> ORGANISM: yeast sp.
306 <400> SEQUENCE: 24
307 tgacttcgca tgaatgagtt cattcatgaa gcgaaa 36
309 <210> SEQ ID NO: 25
310 <211> LENGTH: 36
311 <212> TYPE: DNA
312 <213> ORGANISM: yeast sp.
315 <400> SEQUENCE: 25
316 actgaagcgt acttactcaa gtaagtactt cgcttt 36
318 <210> SEQ ID NO: 26
319 <211> LENGTH: 77
320 <212> TYPE: RNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: A synthetic snRNA sequence
326 <400> SEQUENCE: 26
327 auacagggca auuggcagau caagcguugu gaagccacag augaacgcuu gaucugccaa 60
328 uugcccuuua uccccug 77

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**VERIFICATION SUMMARY**

DATE: 03/31/2006

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Input Set : A:\2312.001US1 Sequence Listing.txt

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date